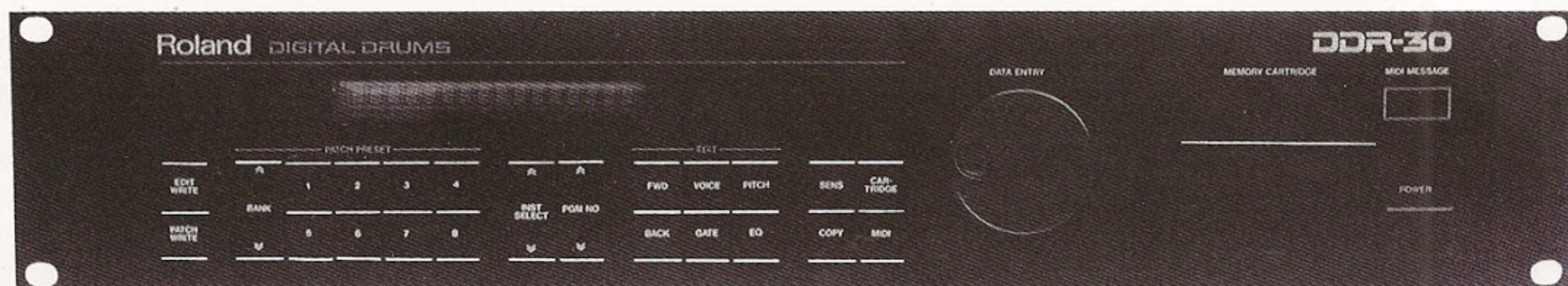


 **Roland**

***1985
ROLAND
NEW
PRODUCT
NEWS***
for NAMM SHOW

DIGITAL DRUMS SYSTEM

MIDI MUSICAL INSTRUMENT DIGITAL INTERFACE


DDR-30 DIGITAL DRUMS

The Roland digital drums system consists of the DDR-30 Digital Drums Module and two kinds of drum pads designed exclusively for use with the DDR-30—the PD-10 Bass Drum Pad and PD-20 Snare Drum/Tom Pad. The system allows the drummer to enter the world of electronic music while keeping all his drumming technique nuances. It offers a realistic digital sound source, flexible sound modification, MIDI compatibility and superb playability, all of which distinguish this system from others.

The DDR-30 has six drum voices—Bass Drum, Snare Drum, and four Toms. Four different PCM digital preset sounds are provided for each voice. The Edit function allows the preset sound to be freely modified over 16 parameters. Up to 8 kinds of modified preset sounds per voice can be stored in the DDR-30 memory. In addition, the DDR-30 can memorize 32 patch presets of each voice (8 patch presets in 4 banks). Another 64 patch presets can be added using the M-16C memory cartridge.

A large, easy-to-use rotating control adjusts all parameters. The parameter value and other data is displayed for accurate sound modification.

The sounds of the DDR-30 are activated by feeding trigger signals into the Pad Trigger In jacks. The DDR-30 also features MIDI In, Out, and Thru connectors and can be used as a drum sound source for a MIDI sending unit.

Multi-Out jacks are provided for each voice in addition to the Mix Out jacks. This allows a variety of applications.

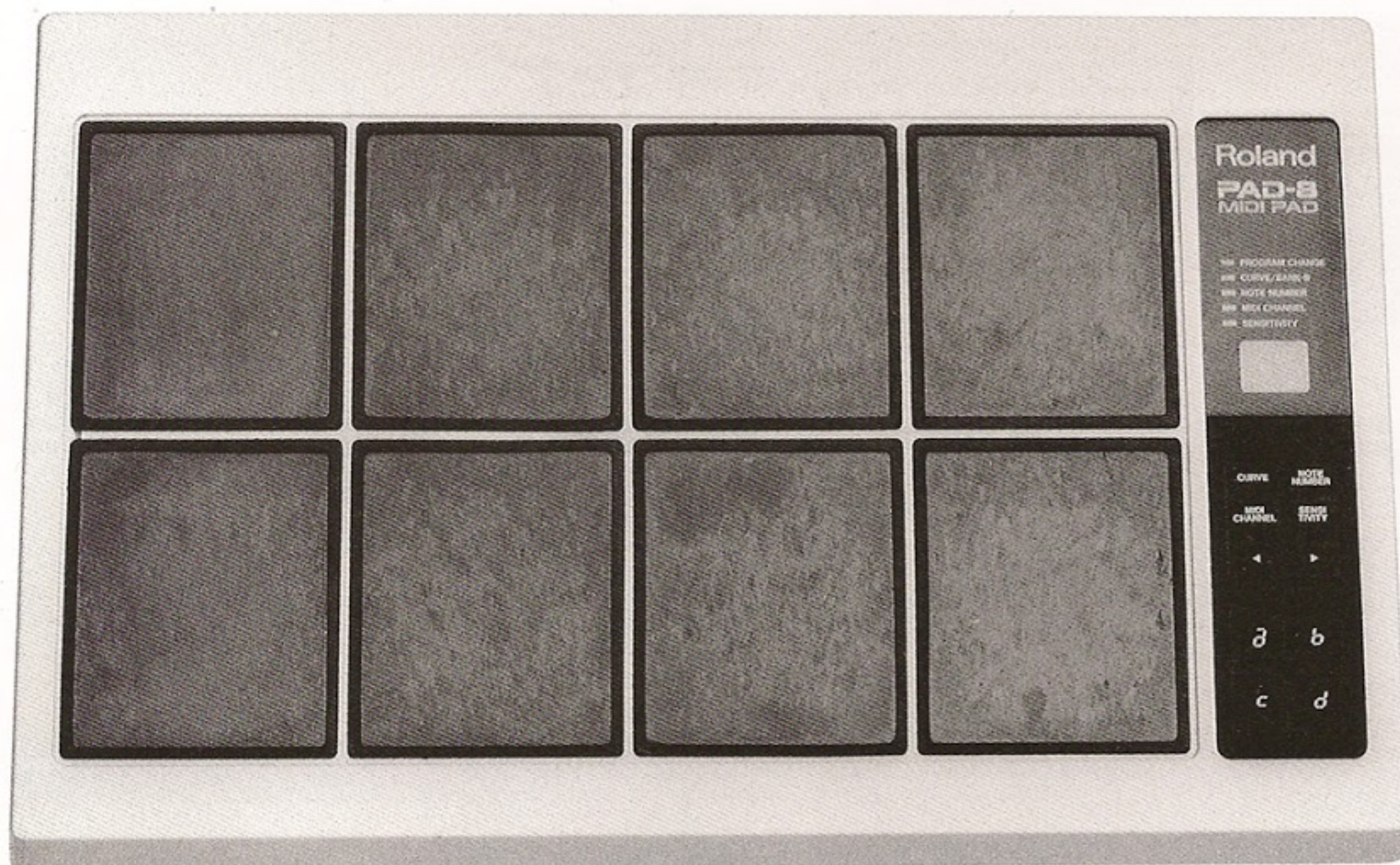
DDR-30 SPECIFICATIONS

- Number of Patch Presets: 32 (8 patch presets in 4 banks)
- Sensitivity Controls (Programmable): Bass Drum, Snare Drum, Tom 1, Tom 2, Tom 3, Tom 4
- Parameters: 5 Voice Parameters (Voice Number, Level, Decay, Attack Level, Attack Decay), 4 Pitch Parameters (Pitch, Bend Depth, Bend Decay, Dynamics Sensitivity), 5 Gate Parameters (Gate Level 1, Gate Time, Gate Release 1, Gate Level 2, Gate Release 2), 2 Equalizer Parameters (Treble, Bass)
- Rotary Encoder: Data Entry
- Switches: Edit Write, Patch Write, Bank (1 to 4), Patch Number (1 to 8), Instrument Selector (Bass Drum, Snare Drum, Tom 1, Tom 2, Tom 3, Tom 4), Program Number, Edit Forward, Edit Backward, Voice, Gate, Pitch, EQ, Sense, Copy, Cartridge, MIDI, Power On/Off
- Memory Cartridge Slot: 1
- MIDI Message Indicator: 1
- Pad Trigger Inputs: Bass Drum, Snare Drum, Tom 1, Tom 2, Tom 3, Tom 4
- Multi Out Jacks: Bass Drum, Snare Drum, Tom 1, Tom 2, Tom 3, Tom 4
- Mix Out Jacks: Left, Right (Mono)
- Remote Control Jacks (DP-2): Bank Shift, Patch Shift
- MIDI Connectors: In, Out, Thru
- Dimensions: 483(W) x 88(H) x 300(D) mm (19.0" x 3.5" x 11.8"), Rack-mountable EIA-2U
- Weight: 6.5 kg (14.3 lb.)



PD-10 BASS DRUM PAD
PD-20 SNARE DRUM/TOM PAD

OCTAPAD

MIDI MUSICAL
INSTRUMENT
DIGITAL
INTERFACE


PAD-8 OCTAPAD

The first MIDI-compatible pad controller, the PAD-8 offers the drummer or percussionist the ability to completely control MIDI equipment. Now the drummers and percussionists can expand their capabilities by utilizing any possible sound the MIDI synthesizer or drum machine produces.

The PAD-8 features eight touch-sensitive pads. The pads are comfortably elastic in order to give the player a natural feel. Each pad can be independently assigned to the MIDI note number (0 to 127) and MIDI channel (1 to 16) so that any sound source—drum sounds from a MIDI drum machine or the notes from a MIDI synthesizer—can be activated by hitting a pad. In addition, three other programmable parameters—Curve, Minimum Velocity, and Gate Time—are provided for each pad. These parameters are adjusted to player's taste while hearing the actual sound. Four different pad setting combinations can be stored in the PAD-8's memory as Patch Presets and recalled instantly. The stored data can be easily modified afterwards.

Up to six external pads can be connected and programmed. The PAD-8 can also send MIDI program change messages (0 to 127) to a connected MIDI device.

SPECIFICATIONS

- Number of Pads: 8
- Number of External Pad Input Jacks: 6
- Edit Modes: All Edit, Individual Edit
- Program Change Message: 0 to 127
- Indicators: Program Change, MIDI Channel/Bank-B, Note Number, Sensitivity, Curve, Battery
- Edit Switches: Curve, MIDI Channel, Sensitivity, Note Number On/Off
- Patch Presets: 4 (a, b, c, d)
- Remote Jacks (DP-2): Patch Shift, Program Change
- MIDI Connectors: In, Out
- Power: DC 9V by an AC Adapter (PSA-series unusable)
- Dimensions: 520(W) x 60(H) x 330(D) mm (20.5" x 2.4" x 13.0")
- Weight: 4.0 kg (8.8 lb.)

SYNC BOX/CONVERTER

MIDI MUSICAL INSTRUMENT DIGITAL INTERFACE



SBX-10 SYNC BOX/CONVERTER

The extremely affordable SBX-10 Sync Box/Converter synchronizes previously incompatible synthesizers, sequencers, drum machines, and other electronic devices which employ different sync methods.

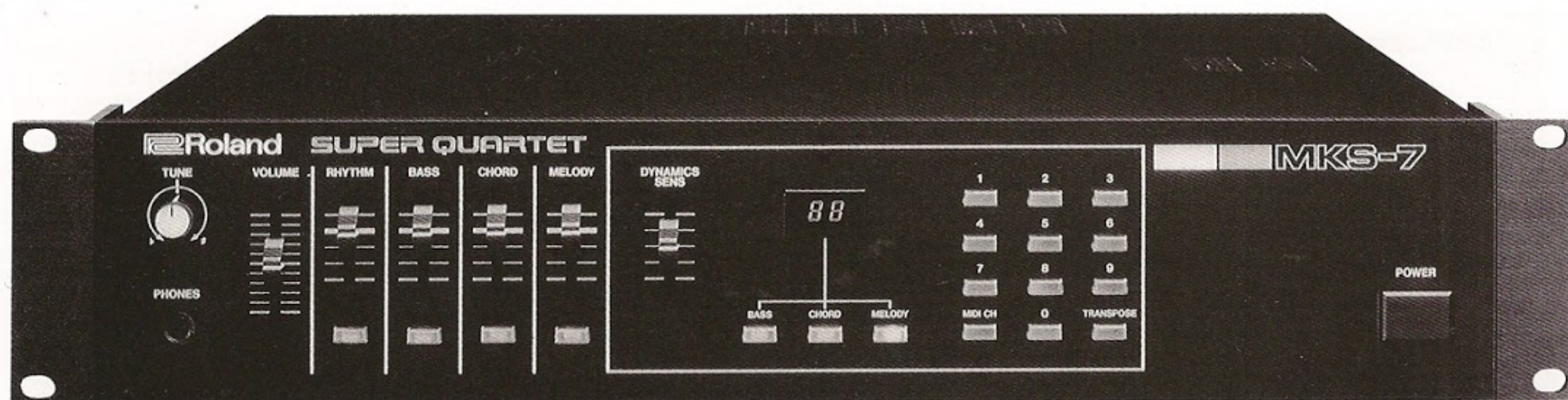
The SBX-10 accepts either MIDI, DIN-Sync (24 or 48 pulses per quarter note), or Time Base (24, 48, 96, or 120 pulses per quarter note) signals. It then simultaneously synchronizes all devices connected to its two MIDI Out connectors, its two DIN-Sync jacks (24 pulses per quarter note), and its two Time Base Out jacks (48, 96, or 120 pulses per quarter note, selectable for each output).

In addition, the SBX-10 allows the user to freely program the tempo of music up to 1,024 quarter notes in length. Programming is done either by tapping the Tap button on the SBX-10 or by feeding the audio click signals from a tape recorder or microphone to the Click-In jack. The connected drum machine, sequencer, and other devices can thus be completely synchronized with expressive, subtle changes in tempo. Synchronization with a tape recorder is achieved by audio click signals rather than the conventional FSK signals.

SPECIFICATIONS

- Memory Capacity: Maximum 1,024 quarter notes
- Inputs: MIDI x 1, DIN-Sync x 1 (24 or 48 pulses per quarter note), Time Base x 1 (24, 48, 96, or 120 pulses per quarter note), Click x 1
- Input Level: -50/-20 dBm
- Outputs: MIDI x 2, DIN-Sync x 2 (24 pulses per quarter note), Time Base x 2 (48, 96, or 120 pulses per quarter note), Metronome x 1
- Maximum Output Level: 1 Vp-p
- Dimensions: 227(W) x 60(H) x 228(D) mm (8.9" x 2.4" x 9.0")
- Weight: 1.5 kg (13.3 lb.)

SUPER QUARTET

MIDI MUSICAL
INSTRUMENT
DIGITAL
INTERFACE


MKS-7 SUPER QUARTET

The MKS-7 Super Quartet is the most sophisticated MIDI sound module ever made. It consists of 2-voice polyphonic Melody section, a 4-voice polyphonic Chord section, a monophonic Bass section, and a Rhythm section. All sections respond to MIDI velocity messages to increase or lower the sound. A slider control is provided to adjust the sensitivity.

One hundred preset sounds are provided for the Melody section, 100 for the Chord section, 20 for the Bass section, and 11 PCM digital sounds for the Rhythm section. It's also possible to modify the preset sounds using a MIDI Exclusive message. For instance, the parameters of the preset sounds can be controlled by a computer keyboard and the data for the parameters can be displayed on a CRT screen as well as saved on disks.

The Melody and Chord sections can respond to Bender, Modulation, and Hold messages. Either section can also be used as a 6-voice polyphonic sound source by assigning an identical MIDI channel.

By combining the MKS-7 with a computer through the MPU-401 MIDI Processing Unit, any form of music can be created in any desired way—you can feed the performance data into the computer in real time by playing a MIDI keyboard, or feed note-by-note using a computer keyboard. You're limited only by the capacity of the computer and its software. One-man live performances are also possible by combining the MKS-7 with a MIDI sending unit, such as sequencer, synthesizer, drum machine, etc.

A tune control and easy-to-see indicators are provided. Key transpose is also possible.

The MKS-7 is available in an ivory package or a black, rack-mountable package.

MKS-7 SPECIFICATIONS

□ Melody and Chord Sections

- Number of Preset Sounds: 100
- Parameters
 - DCO: Waveforms (□, /, ▽), Range (16'8'1/4'), PWM Mode (LFO/Manual), PWM, Sub-Oscillator Level (0/1/2/3), LFO Modulation, Noise (On/Off, Melody section only)
 - HPF: On/Off
 - VCF: Cutoff Frequency, Resonance, ENV Modulation, ENV Polarity (∧/∨), LFO Modulation, Key Follow (0 to 100%)
 - VCA: Control Signal (∧/▽), Level
 - ENV: Attack Time, Decay Time, Sustain Level, Release Time
 - LFO: Rate (0.1 to 20 Hz), Delay (0 to 3 s)
 - Chorus: On/Off

□ Bass Section

- Number of Preset Sounds: 20
- Parameters
 - DCO: Waveforms (/, ▽), Pulse Width Select (1/2/3),
 - VCF: Cutoff Frequency, Resonance, ENV Modulation, Key Follow
 - VCA: Level
 - ENV: Attack Time, Decay Time, Sustain Level, Release Time

□ Rhythm Section

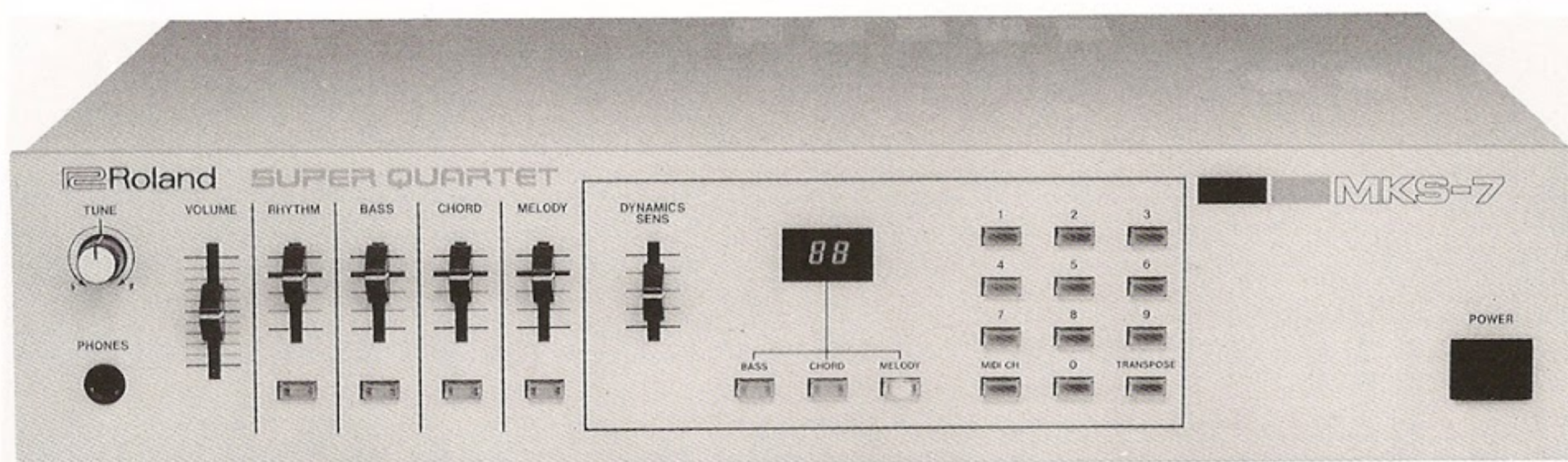
- Number of Sound Sources: 11 (PCM Digital)
- Sound Sources: Bass Drum, Snare Drum, Low Tom, Mid Tom, Hi Tom, Closed Hi-Hat, Open Hi-Hat, Ride Cymbal, Clash Cymbal, Handclap, Rim Shot

□ Front Panel

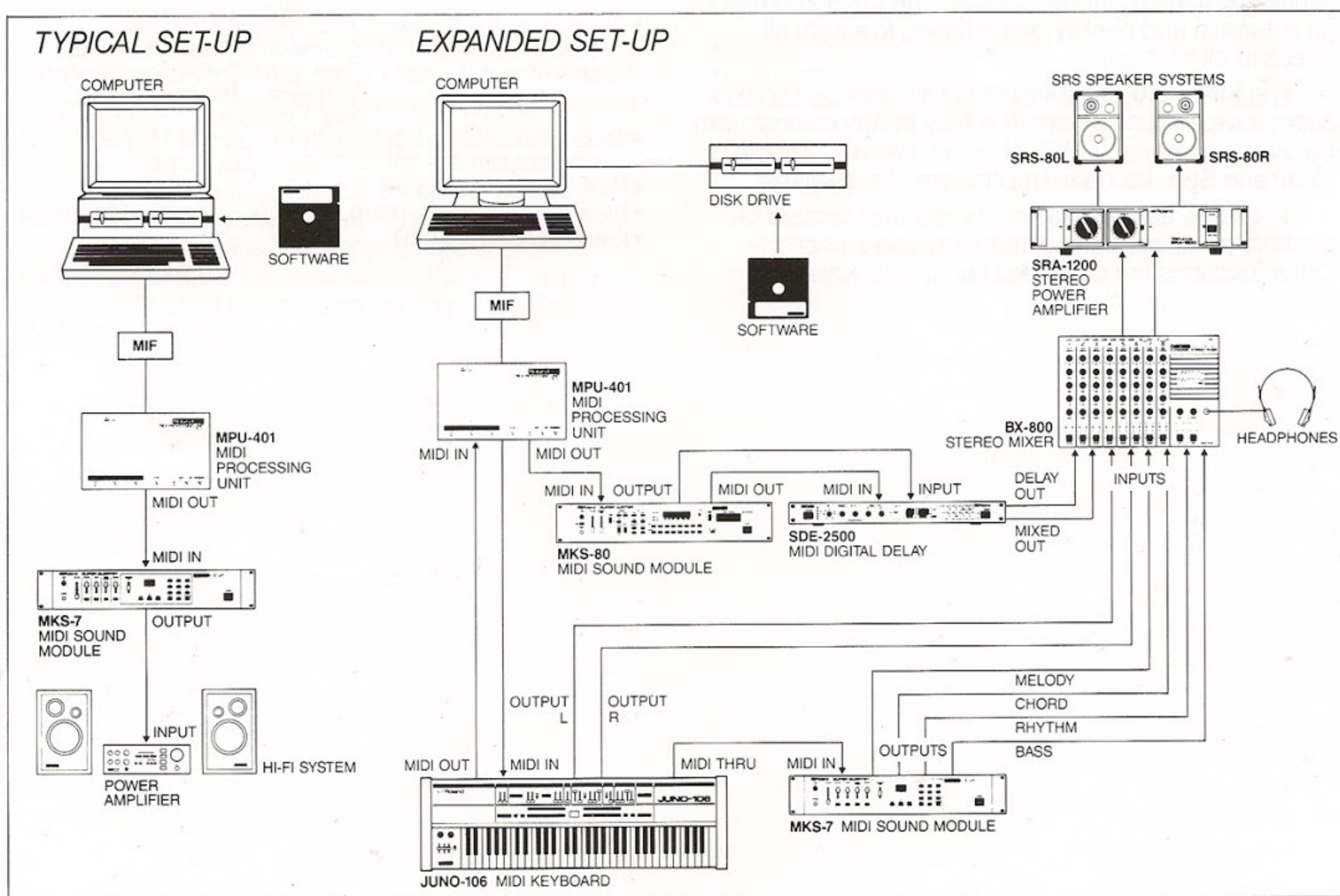
- Controls: Melody Volume, Chord Volume, Bass Volume, Rhythm Volume, Dynamics Sensitivity
- Switches: Power On/Off, Melody Note On/Off, Chord Note On/Off, Bass Note On/Off, Rhythm Note On/Off, Display Select (Melody/Chord/Bass), Numbers (0 to 9), MIDI Channel, Transpose

□ Rear Panel

- Jacks: Headphones (Stereo), Mix Out x 2 (Mono, Stereo), Melody Out, Chord Out, Bass Out, Rhythm Out
- MIDI Connectors: In, Thru
- Controls: Tune (±50 cents), Bass Detune (±50 cents), Bender Sensitivity, LFO Modulation
- Switch: Output Level (L/M/H)
- Dimensions: 482(W) x 88(H) x 400(D) mm (19.0" x 3.5" x 15.7"), Black, Rack-Mountable Package
430(W) x 88(H) x 400(D) mm (16.9" x 3.5" x 15.9"), Ivory Package
- Weight: 7.0 kg (15.4 lb.)
- Accessories: Connection cord x 2, 5-pin DIN cord, Rack-mount bracket x 2 (for rack-mountable package)

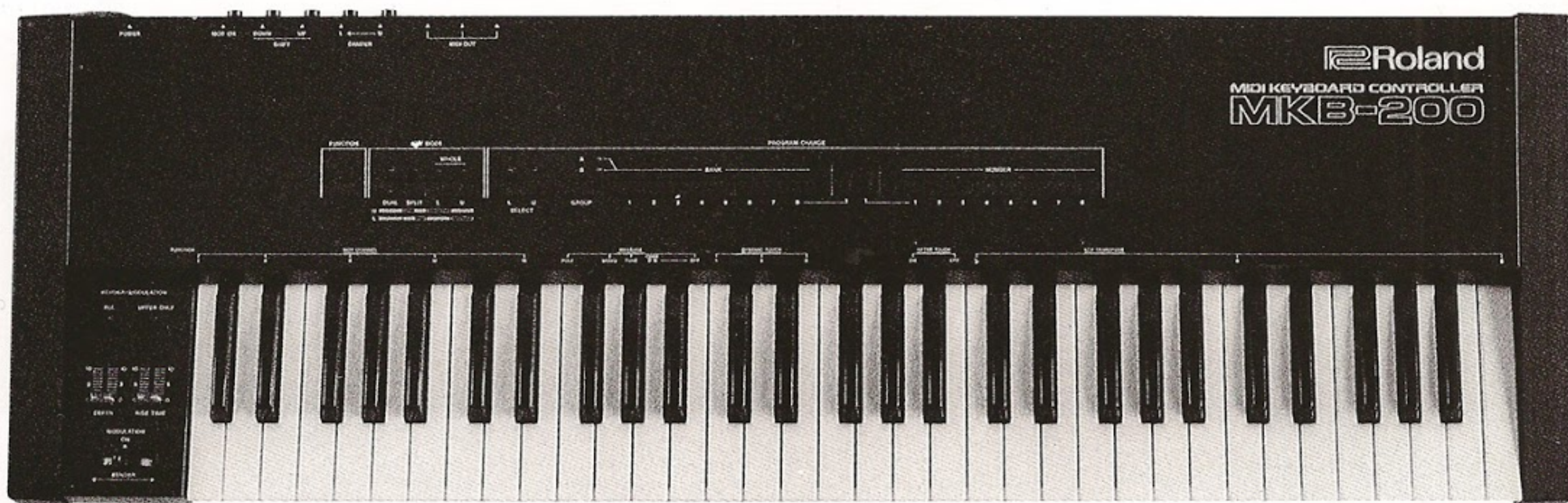


MKS-7 Ivory SUPER QUARTET



MIDI KEYBOARD

MIDI MUSICAL
INSTRUMENT
DIGITAL
INTERFACE



MKB-200 MIDI KEYBOARD

The MKB-200 is a keyboard controller designed exclusively for use with MIDI instruments such as the MKS-series of MIDI sound modules, the MKS-80, MKS-30, and MKS-10. It has a 61-weighted-key, velocity- and pressure-sensitive keyboard that can faithfully sense any subtle change in touch. The MKB-200 offers an extensive and flexible performance to satisfy all needs in all situations.

The MKB-200 can transmit MIDI messages on two successive MIDI channels. The Poly or Mono mode can be assigned for each MIDI channel. Whole L, Whole U, Dual, and Split, keyboard modes are also available.

To ensure easy operation, the controls located on the front panel control the frequently-used functions. Other functions are controlled by specific keys.

SPECIFICATIONS

- Keyboard: 61 weighted keys
- Functions on the Front Panel: Key Mode (Whole L, Whole U, Dual, Split), Program Change (Select L, Select U, Group A, Group B, Banks 1 to 8, Numbers 1 to 8)
- Functions on the Keyboard: MIDI Channels (1 to 16), Operation Modes (Poly, Mono), Tune, Omni On/Off, Touch Sensitivity (5 stages), After-Touch On/Off, Key Transpose
- Jacks: Modulation On, Shift Up/Down, Damper L, Damper U, Damper L/U
- MIDI Connectors: Out x 3
- Dimensions: 992(W) x 115(H) x 315(D) mm (39.2" x 4.5" x 12.4")
- Weight: 12.0 kg (26.4 lb.)

SOUND PLUS MIDI

MUSICAL INSTRUMENT DIGITAL INTERFACE



*The photo shows a prototype.

EM-101 SOUND PLUS

The EM-101 is a compact, 8-voice polyphonic MIDI sound module specially designed for use with the MIDI-compatible Piano Plus electronic pianos.

The EM-101 offers 16 preset sounds—8 Ensemble and 8 Solo sounds. These sounds can be selected by simply pressing a switch.

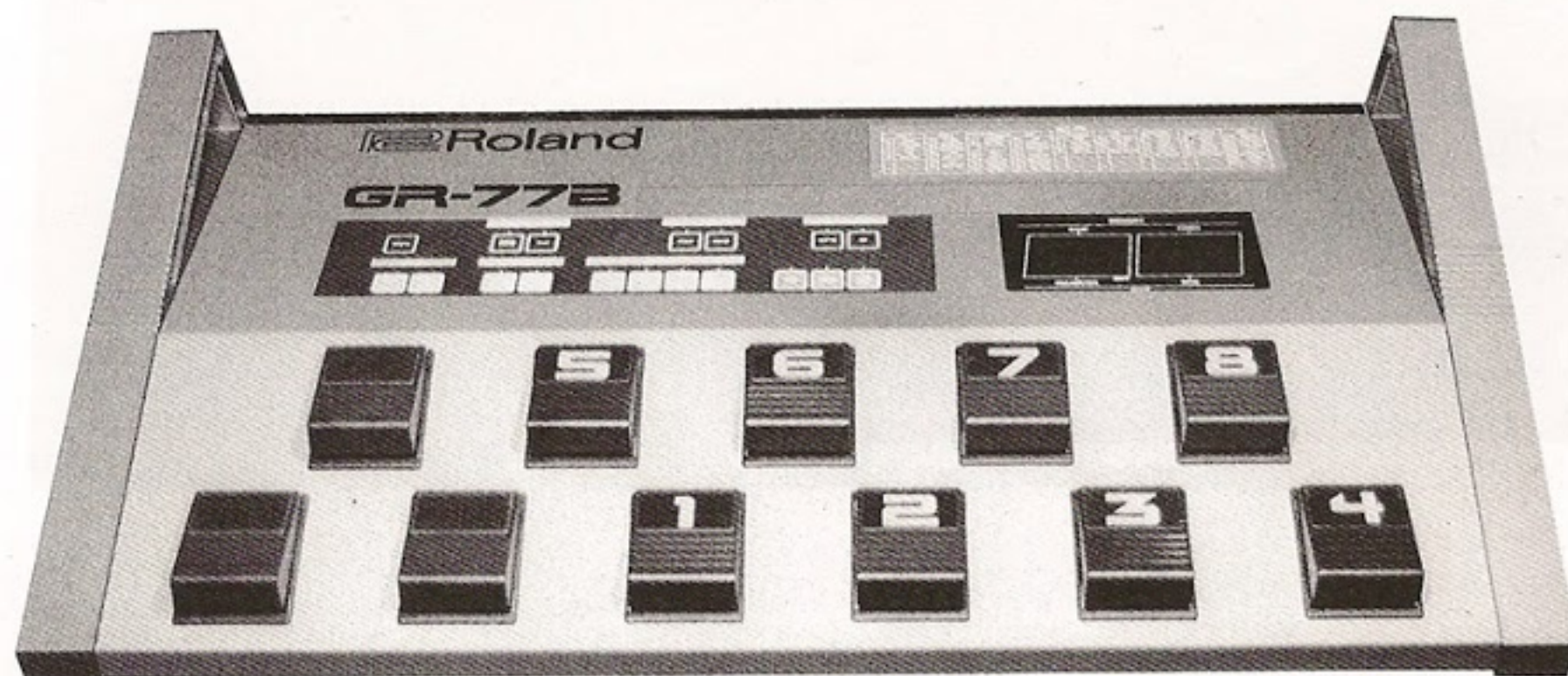
Attack and Velocity Sensitivity can be controlled using slider controls. A Velocity Normal/Inverted switch is also provided. When the switch is set at the Inverted position, the higher the MIDI Velocity value, the softer the EM-101's sounds. This provides amazing effects. For instance, when the EM-101 is connected to the Piano Plus 100, the harder the keys are pressed, the louder the Piano Plus 100's sounds and the softer the EM-101's sounds. This provides the Piano Plus 100 sounds with an automatic accompaniment responsive to the player's touch.

SPECIFICATIONS

- Preset Sounds: Ensemble (Strings 1, Strings 2, Organ 1, Organ 2, Organ 3, Brass 1, Brass 2, Synth), Solo (Bass 1, Bass 2, Cello, Clarinet, Flute, Violin, Synth 1, Synth 2)
- Buttons/Switches: Ensemble/Solo Select, Preset Sound Select x 8, Dynamics (Normal/Inverted), Power On/Off, Output Level Select
- Controls: Brilliance, Volume, Attack, Tune
- MIDI Connectors: In, Thru
- Jacks: Output x 2 (Mono, Stereo), Remote, External Input
- Dimensions: 305(W) x 63(H) x 177(D) mm (12.0" x 2.5" x 7.0")
- Weight: 2.8 kg (6.2 lb.)

BASS GUITAR SYNTHESIZER BASS GUITAR CONTROLLER

MIDI MUSICAL
INSTRUMENT
DIGITAL
INTERFACE



GR-77B BASS GUITAR SYNTHESIZER

Roland introduces a new bass guitar synthesizer system—the GR-77B Bass Guitar Synthesizer Unit and G-77 Bass Guitar Controller. The system ensures expressive bass guitar sounds plus flexible use of keyboard synthesizers.

The GR-77B programmable, 4-voice polyphonic bass synthesizer features 48 synthesizer elements which the bassist can use to freely create any desired sound. The GR-77B also incorporates a one-CPU-per-string system to completely convert bass signals into synthesizer signals.

The GR-77B can memorize up to 64 different sounds, all of which can be recalled using either the foot switches or touch pads. Sixty-four other sounds can be added using the M-16C memory cartridge. Because the G-77B and JX-8P are identical in data format, the sound data stored in the M-16C can be used for both units.

The sounds can be created and modified by the GR-77B's Edit function. By connecting the PG-800 programmer to the GR-77B, however, sounds can be created and modified much more easily and quickly.

As with the renowned GR-700 guitar synthesizer, the GR-77B offers numerous superb features for advanced, creative performance including a programmable string selection for hold, synthesizer sound, and pitch bending.

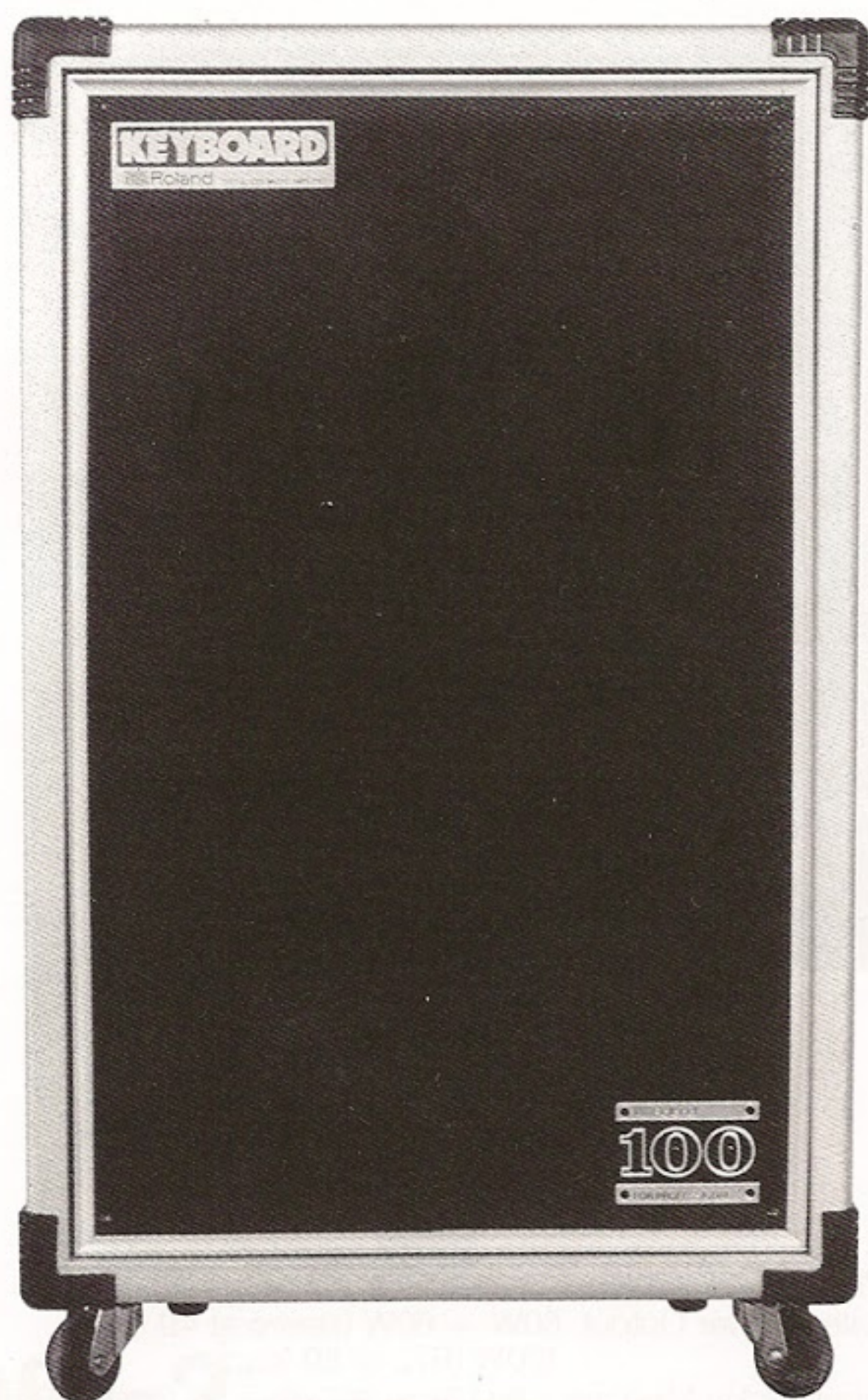
A MIDI Out connector is provided. The GR-77B can transmit MIDI messages not only for key and velocity, but also for program change, hold, etc. MIDI channel can also be assigned.

G-77 BASS GUITAR CONTROLLER

GR-77B SPECIFICATIONS

- Internal Memories: 64 Patches (16k byte RAM with battery-backup)
- External Memories: 64 Patches (M-16C memory cartridge)
- Edit: 45 parameters
- Pedals: Number (1 to 8), Bank, Cartridge, Hold
- Touch Pads: Pitch Bend (Up/Down), MIDI Edit, Guitar Tune, Trig Level, String Select (Hold, Voice, 1 to 4), Cart Pad (Cartridge/Edit), Hold Pad (Unlatch/Latch), Copy (Cartridge to Memory, Memory to Cartridge)
- Display: Memory (Bank Number, Patch Number), Edit (Parameter, Data)
- Jacks: XLR Output x 2, Phone Output x 2 (Stereo, Mono), Guitar Output, VCF Pedal (FV-200), Pitch Pedal (FV-200), Programmer In, Guitar Input, Memory Cartridge Slot, AC In
- MIDI Connector: Out
- Switches: Output Level Select (H/M/L), Memory Protect, Power On/Off
- Options: PG-800 Programmer, FV-200 Volume Pedal, M-16C Memory Cartridge
- Dimensions: 690(W) x 375(H) x 155(D) mm (27.2" x 14.8" x 6.1")
- Weight: 12.0 kg (26.4 lb.)

KEYBOARD AMPLIFIER



CUBE-100 KEYBOARD <CK-100> KEYBOARD AMPLIFIER

The CK-100 Keyboard Amplifier provides 100 watts of power and features a three-way speaker system which pumps out superb sound over the entire frequency range.

The CK-100 features a 2-channel input mixer with two jacks, a level control, an attenuator on each channel, a three-range equalizer (treble, middle, and bass), and effect send and return jacks.

On stage or in the studio, the CK-100 faithfully reproduces the sounds of any keyboard instrument.

SPECIFICATIONS

- Controls: Volume (Pull Attenuator On) x 2, Treble, Middle, Bass
- Switch: Power On/Off
- Jacks: Input x 4, Headphones, Line Out, Effect Send, Effect Return
- Output: 100 W (rms)
- Speaker Units: 38cm Woofer, Mid-Range Horn, Tweeter
- Dimensions: 462(W) x 730(H) x 390(D) mm (18.2" x 28.7" x 15.4")
- Weight: 31.0 kg (68.2 lb.)

COMPACT POWERED MIXER



CPM-120 COMACT POWERED MIXER

The CPM-120 8-input/output powered mixer is easy to operate and highly cost-effective.

It can be used in any mixing situation, from keyboard set-up to home recording, even in an audio/video system.

The circuitry and power amplifier are packed within a compact, durable diecast aluminum package.

Each input channel has a sliding Volume control, Panpot, Effect Send control, two independent Tone controls—Bass and Treble, Gain control, and Overload indicator.

Each output channel has a Volume control and an LED bar level meter to confirm the output level.

An Effect Return control, a Headphone jack with a Volume control, two Pre-Out and two Main-In jacks are also provided for an array of applications.

The built-in power amplifier provides 60 watts of power per channel at 4 ohms and can also be used as a monaural amplifier by BTL connection to provide 120 watts at 8 ohms.

A phone jack and a pair of speaker terminals are supplied for each Stereo Speaker output.

SPECIFICATIONS

- Rated Power Output: 60W + 60W (stereo at 4Ω load), 120W (BTL at 8Ω load)
- Input Jacks: Mic/Line x 8 (1.5k to 160kΩ, -50 to +4 dBm), Main In x 2 (47kΩ, 0 dBm stereo/ -3 dBm monaural), Effect Return (47kΩ, -20 dBm)
- Output Jacks: Pre Out x 2 (Over 20kΩ, 0 dBm stereo/ -3 dBm monaural), Line Out x 2 (over 10kΩ, +4 dBm), Effect Send (over 10kΩ, -20 dBm), Stereo Speaker Out x 4, Mono Speaker Out, Headphones (50 mW at 30Ω)
- Controls: Gain x 8, Treble x 8 (± 10 dB at 10 kHz), Bass x 8 (± 10 dB at 100 Hz), Effect Send x 8, Panpot x 8, Channel Volume x 8, Master Volume x 2, Effect Return, Headphone Volume
- Switch: Stereo/Mono Mode
- Indicators: Overload Indicator x 8, Level Meter x 2
- Dimensions: 364(W) x 170(H) x 256(D) mm (14.3" x 7.0" x 10.0")
- Weight: 8.2 kg (18.0 lb.)

TURBO OVERDRIVE

BOSS



OD-2 TURBO Over Drive

Featuring a special "Turbo" overdrive circuit, the OD-2 offers a completely new overdrive effect. The effect is the hardest sound ever, yet it offers all the delicate nuance of the guitar. The OD-2 also allows the guitarist to obtain the desired feedback without producing annoying high-pitched squeals.

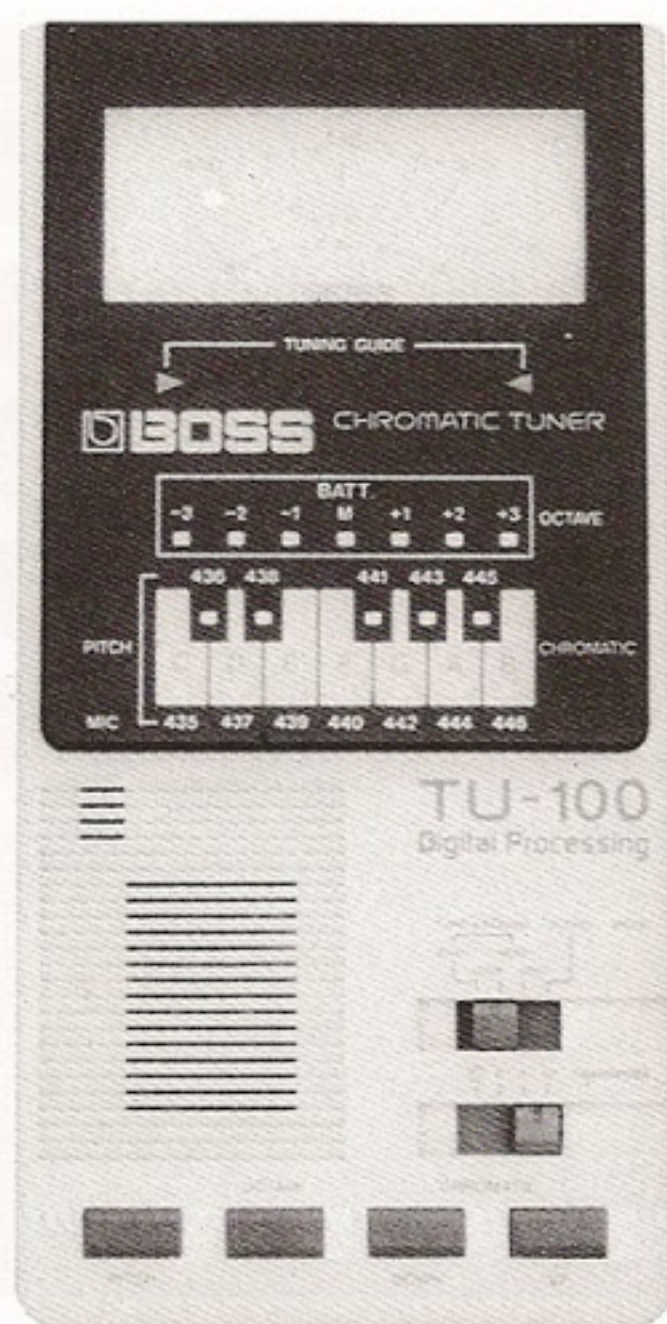
In addition to Level, Tone and Drive controls, the OD-2 features a Turbo On/Off switch. When the Turbo circuit is turned off, the OD-2 can reproduce all the sounds of an overdriven tube amplifier—from subtle, soft overdrive to extremely hard overdrive like its predecessors, the OD-1 and SD-1.

Incorporating completely discrete pre-amplifier circuitry, the OD-2 ensures a high S/N ratio at all control settings.

SPECIFICATIONS

- Power: Battery, AC Adapter (ACA-series)
- Current Draw: DC 9V, 10mA
- Input Impedance: 1 M Ω
- Output Load Impedance: Over 10k Ω
- Controls: Level, Tone, Drive, Turbo On/Off
- Dimensions: 70(W) x 55(H) x 125(D) mm (2.8" x 2.2" x 4.9")
- Weight: 410 g (0.9 lb.)

CHROMATIC TUNER

BOSS


TU-100 CHROMATIC TUNER

The Boss TU-100 is a upgraded version of the TU-12 and TU-12H chromatic tuners and provides a wide tuning range from C₁ to B₇—wide enough for any instrument, even an 88-key acoustic piano.

The TU-100 is fully automatic. The user can tune his or her instrument simply by playing it. Tuning is achieved by connecting the TU-100 between an instrument and amplifier, or by use of the TU-100's built-in microphone. Four tuning modes are provided for maximum convenience.

There are a sweep meter and LEDs to indicate chromatic notes and concert pitches. The concert pitch can be set between 435 and 446 Hz in 1 Hz steps. A built-in speaker projects the sound of the note to be tuned. The volume can be set at any one of three levels. A transpose function is provided (E flat, F, and B flat)—great for tuning transposed instruments such as a saxophone or flute. A folded metal stand is attached to the rear panel so the TU-100 can be inclined for easy meter reading.

The TU-100 can be used with any instrument and in a variety of ways—not only for tuning, but also as an aid for mastering the correct pitch. This makes the TU-100 effective for wind and brass instruments, fretless stringed instrument, even for vocals.

SPECIFICATIONS

- Tuning Range: C₁ to B₇
- Pitch Accuracy: ± 1 cent
- Concert Pitch: 435 Hz to 446 Hz, 1 Hz steps
- Sound Range: C₂ to B₅
- Master Oscillator: Crystal (4.0 MHz)
- Power: 9V Battery, AC Adapter
- Dimensions: 166(W) x 84(H) x 405(D) mm (6.5" x 3.3" x 15.9")
- Weight: 280 g (10 oz.)

MUSIC CONDUCTOR

BOSS


DB-11 Music Conductor

The tiny DB-11 offers four convenient functions—metronome, tempo measure, chromatic oscillator, and stop-watch.

When used as a metronome, four kinds of rhythm (♩, ♪, ♪♩, and ♪♩♩), the number of beats per measure (0 to 6), and the tempo (35 to 250 beats per minutes) can be selected. The tempo is digitally indicated on the display. An LED lights and the sound becomes louder and higher on the first beat of the measure.

To measure tempo: the display indicates the tempo as a Tap button is tapped. Then the metronome function can operate at the measured tempo.

When used as a chromatic oscillator, the DB-11 produces the sound of a note (chromatically selectable from C₄ to B₄). The concert pitch can be set between 438 and 445 Hz in 1 Hz steps.

When used as a stop-watch, the DB-11 measures and indicates the time in length of up to one hour.

The display also indicates the function of each switch as a different function is activated.

SPECIFICATIONS

- Power: DC 6V, CR2032 manganese-lithium battery x 2
- Metronome Function: Tempo (35 to 250 quarter notes per minute), Beats (0 to 6 beats per measure), Rhythm (♩, ♪, ♪♩, ♪♩♩), Accuracy (±1%)
- Tempo Measure Function: Measurable Range (35 to 250 quarter notes per minute), High/Low Indication, Beats (0 to 6), Rhythm (♩)
- Chromatic Oscillator Function: Note Range (C₄ to B₄, Chromatic), Concert Pitches (438 to 445 Hz, 1 Hz steps), Accuracy (±1 cent)
- Stop-Watch: Time (0 to 59 minutes 59.99 seconds)
- Dimensions: 47(W) x 17.5(H) x 84(D) mm (1.9" x 0.7" x 3.3")
- Weight: 140 g (5 oz.)

INTRODUCING...

DDR-30 DIGITAL DRUMS MODULE.....	1
PD-10 BASS DRUM PAD.....	1
PD-20 SNARE DRUM/TOM PAD.....	1
PAD-8 OCTAPAD.....	2
TR-727 RHYTHM COMPOSER (LATIN PERCUSSION).....	3
SBX-10 SYNC BOX/CONVERTER.....	4
MKS-7/MKS-7 IVORY SUPER QUARTET.....	5
MKB-200 MIDI KEYBOARD.....	7
EM-101 SOUND PLUS.....	8
GR-77B BASS GUITAR SYNTHESIZER.....	9
G-77 BASS GUITAR CONTROLLER.....	9
CUBE-100 KEYBOARD (CK-100) KEYBOARD AMPLIFIER.....	10
CPM-120 COMPACT POWERED MIXER.....	11
OD-2 TURBO OVERDRIVE.....	12
TU-100 CHROMATIC TUNER.....	13
DB-11 MUSIC CONDUCTOR.....	14



Roland
WE DESIGN THE FUTURE

• Specifications and appearance subject to change without notice.